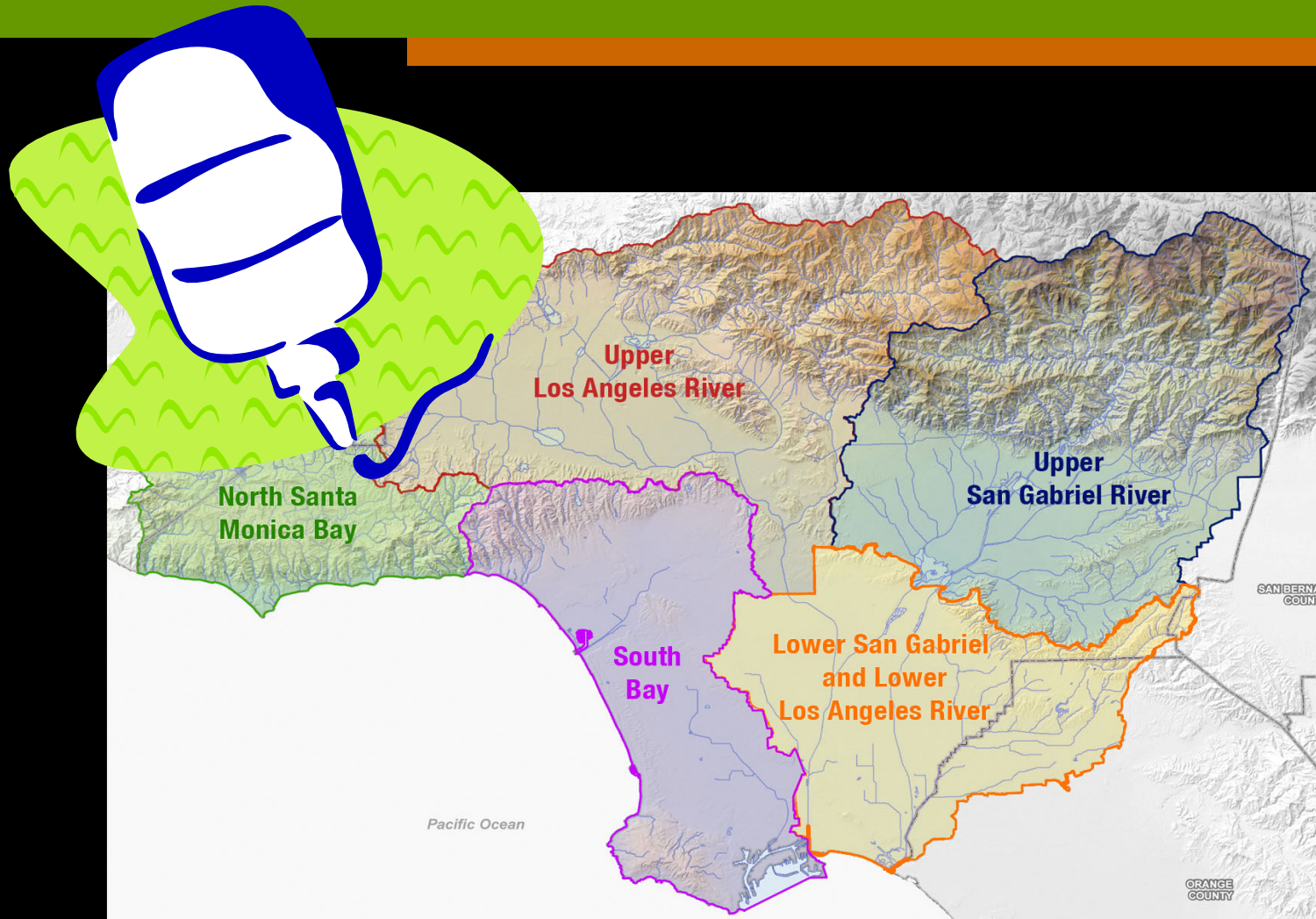


Greater Los Angeles County Region IRWMP



“Holding it together with waterproof glue”

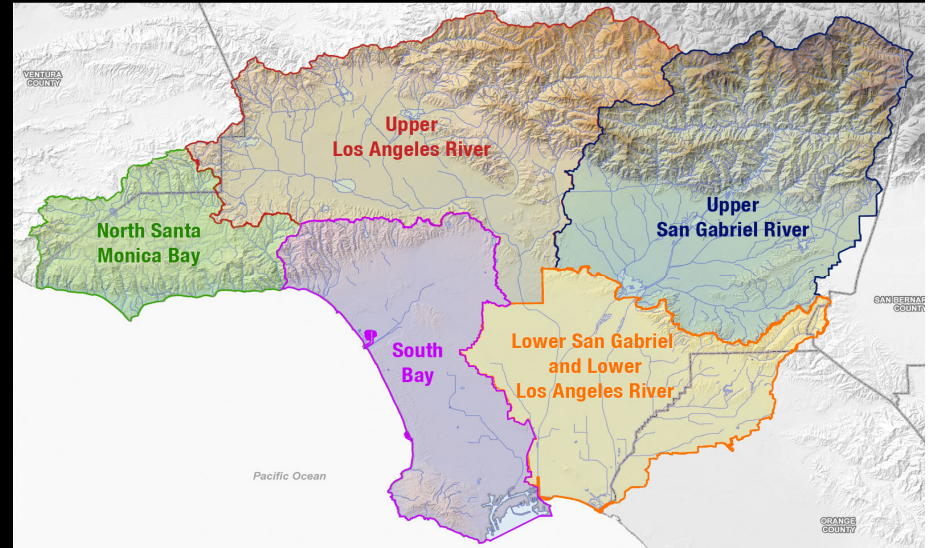
Topics...

- ◆ Background
- ◆ Successes
- ◆ Governance
- ◆ Targets and Planning Tools
- ◆ Project Prioritization
- ◆ Challenges
- ◆ What is Next for the Region
- ◆ Questions



Greater LA County Region...

- Nearly 10 million people
- Encompasses 92 cities
- Approx. 2,200 square miles
- 28% of California's population
- Drinking water - majority is imported
- Groundwater - insufficient natural recharge to maintain basin water and current pumping levels
- Natural habitat - displaced by urban growth
- Coastal wetlands - 90% has been lost
- Polluted urban & stormwater runoff



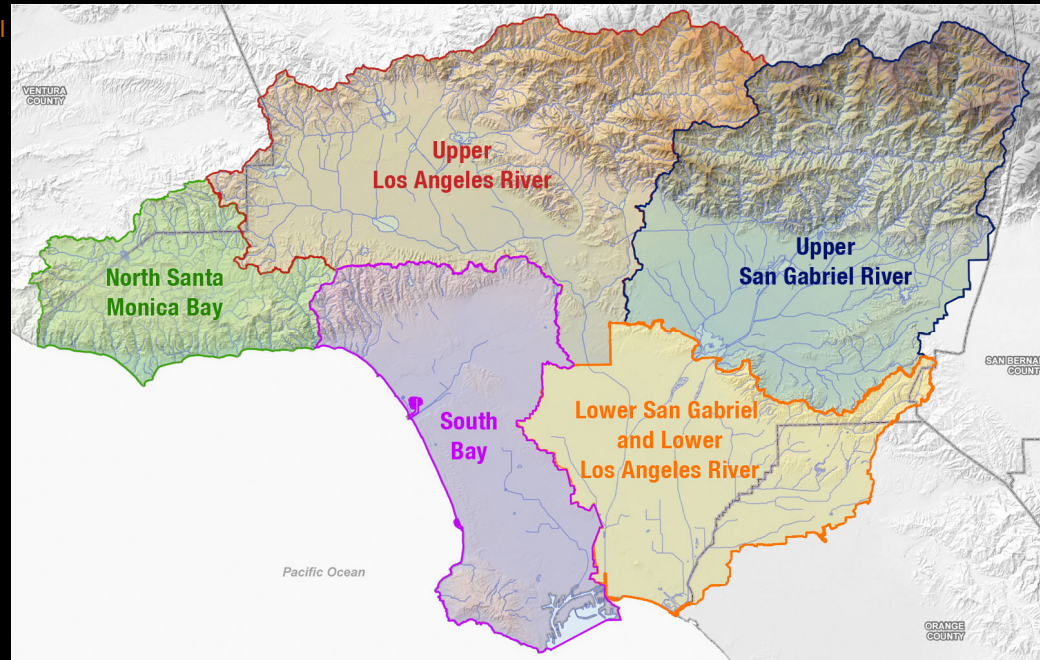
Successes...

- At the urging of the State, merged six IRWM planning efforts (four large watersheds) into ONE super-region
- \$1.5 M Prop 50 planning grant (\$950K local match)
- Governance structure MOU and operating guidelines
- Targets...Planning tools...Project Prioritization
- Over 2,000 projects in IRWMP database
- IRWMP adopted on December 13, 2006
- \$25million Prop 50 grant for 14 projects
- *Breaking down silos toward integrated multi-purpose projects*



Structure and Governance

Five Sub-regions



- Each has a Steering Committee
- Chair and Vice-Chair (and alternates)
- Membership is determined by each Committee
- Includes water, environmental, districts, conservancies, cities and other organizations
- Vary vastly in geography, density, urbanization and water resource needs/issues
- Outreach to stakeholders, cities, DAC's, etc. to engage in the IRWM effort

Governance: Leadership Committee

Chair

Los Angeles County Flood Control District

Sub-Regional Representation

**North Santa
Monica Bay**

Chair
Vice-Chair

South Bay

Chair
Vice-Chair

Upper LA River

Chair
Vice-Chair

**Upper San Gabriel
& Rio Hondo River**

Chair
Vice-Chair

**Lower San Gabriel &
LA River**

Chair
Vice-Chair

Water Management Area Representation

Groundwater

Sanitation

Surface Water

Habitat/Open Space

Stormwater

Leadership Committee consists of 16 members

IRWMP Planning Targets

- ◆ *Developed quantifiable targets*
 - To provide direction and focus
 - To help define projects
 - To measure progress
 - To achieve results



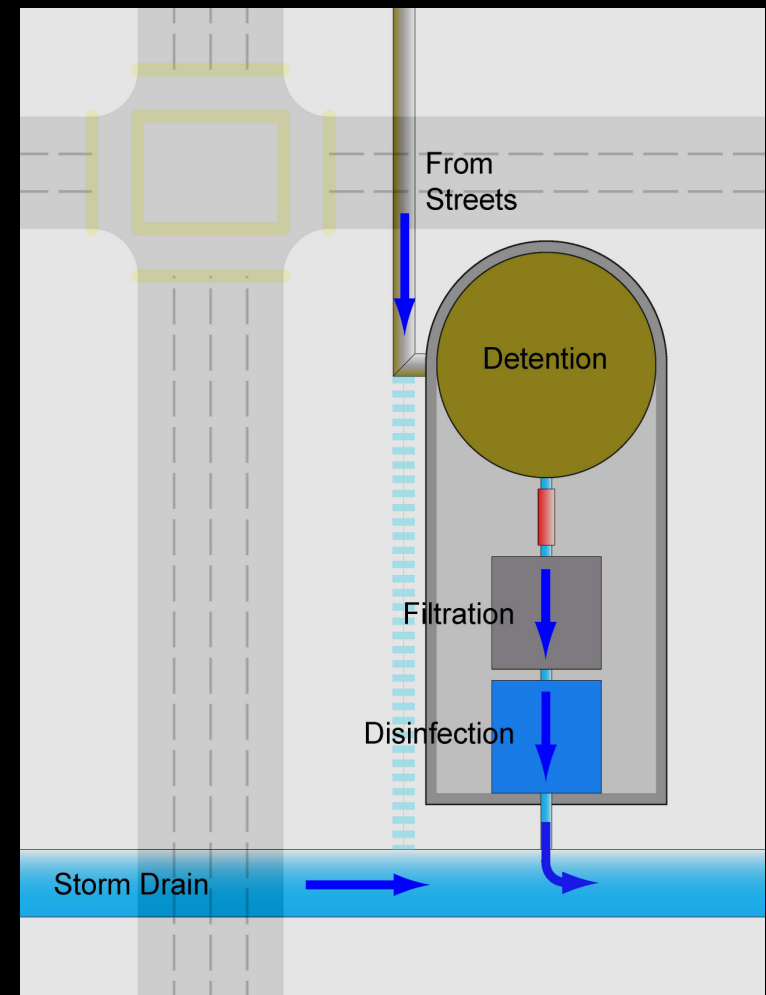
Planning Tools

Concepts of what can be done...

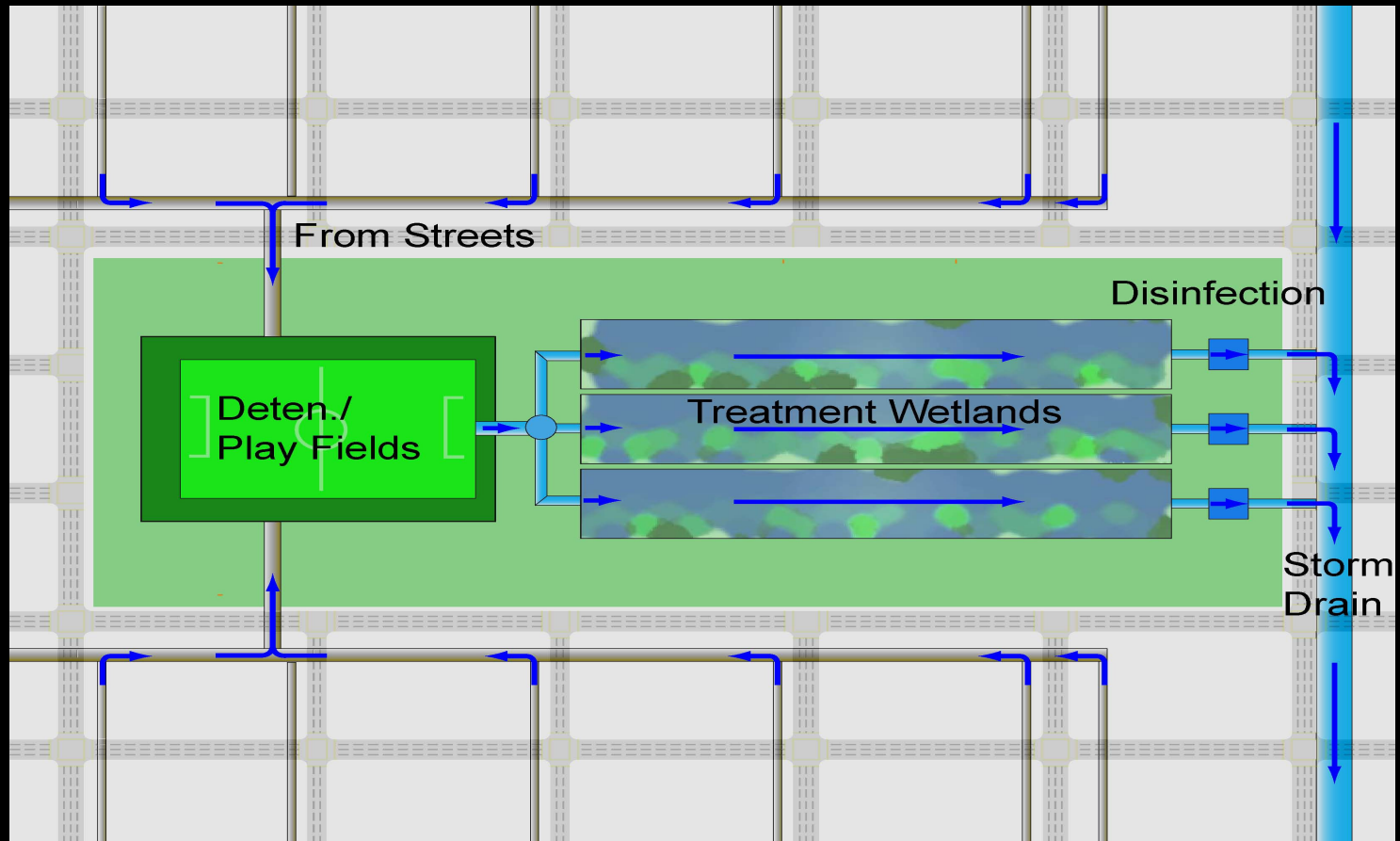
- To demonstrate integrated approaches
- To meet the targets
- To reduce, capture and treat polluted runoff

Planning Tool #1

Site Scale... use of single purpose projects implemented at individual sites



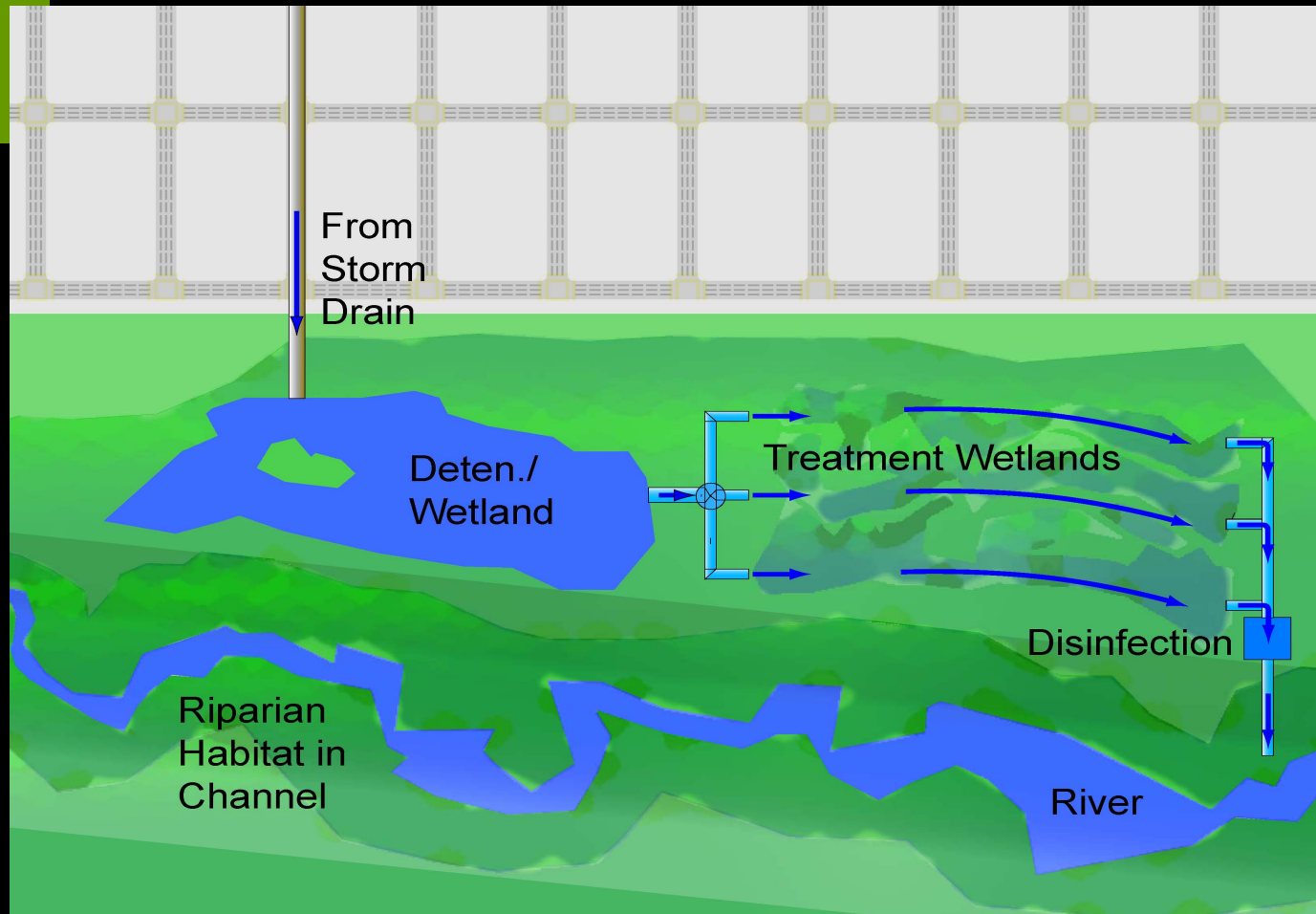
Planning Tools



Planning Tool #2

Neighborhood Scale ...large scale facility to treat polluted runoff to meet the needs and conditions of a neighborhood

Planning Tools



Planning Tool #3

Regional Scale...capture and treatment of polluted runoff along rivers, creeks, and major channels, creating multipurpose riparian corridors that have the potential to connect the Region with linear green spaces

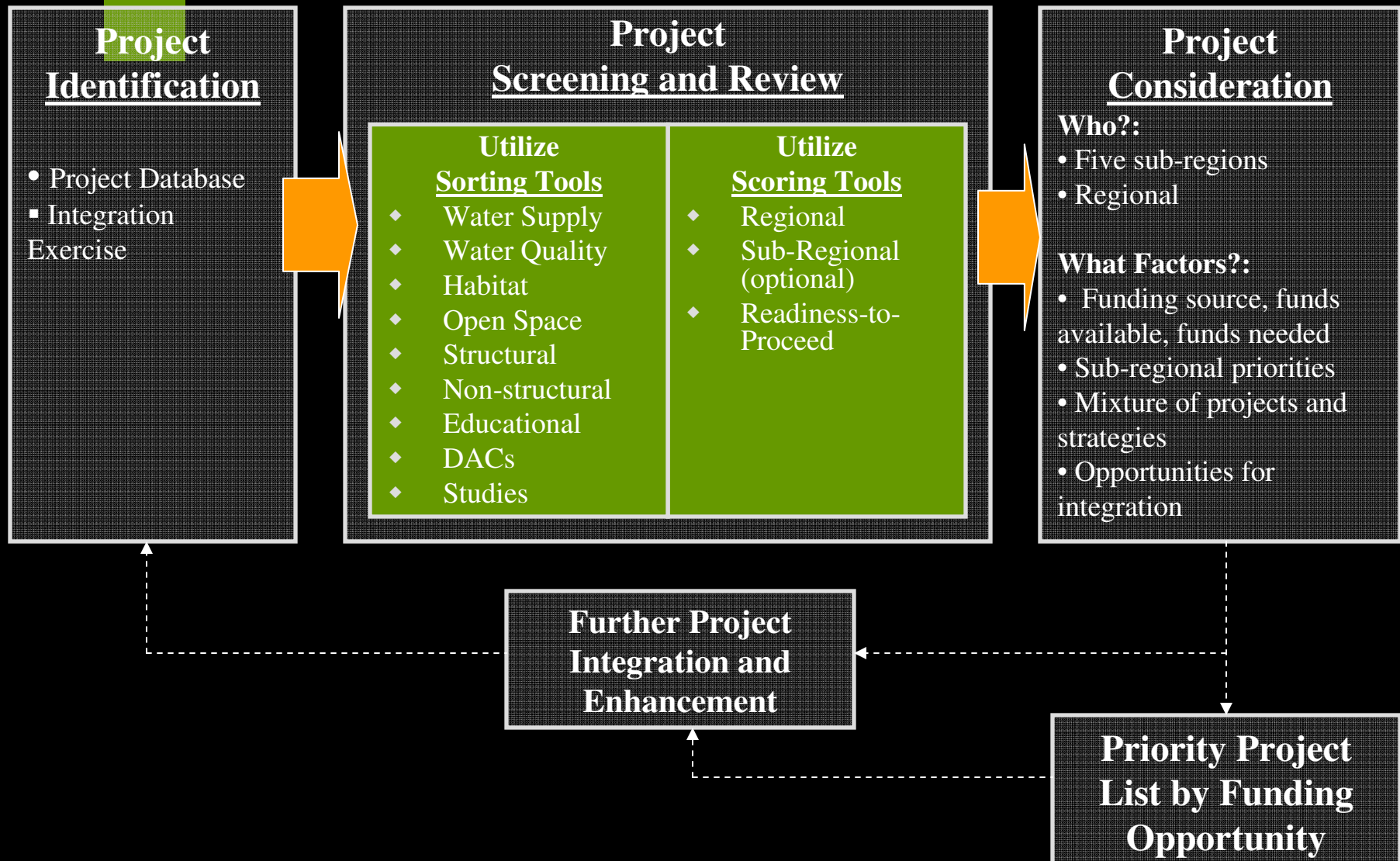
Summary of Planning Tools

Regional Planning Tool			
	Tool 1	Tool 2	Tool 3
<u>Total Costs:</u>	<u>\$44,762</u>	<u>\$54,067</u>	<u>\$25,711</u>
<u>Benefits:</u>			
Water Supply Quantity (acre-feet/year)	800,000	800,000	800,000
Water Supply Benefits (in Millions)	\$1,992	\$2,550	\$3,066
Water Quality Quantity (acre-feet/year)	810,000	810,000	810,000
Water Quality Benefits (in Millions)	\$3,626	\$3,626	\$3,626
Open Space Quantity (acres)	8,000	8,000	8,000
Open Space Benefits (recreation based, in Millions)	\$1,884	\$1,884	\$3,768
Open Space Benefits (recreation and habitat based, in Millions)	-	-	\$1,949
<u>Total Benefits:</u>	<u>\$7,502</u>	<u>\$8,060</u>	<u>\$12,400</u>
<u>Net:</u>	<u>\$37,260</u>	<u>\$46,007</u>	<u>\$13,311</u>

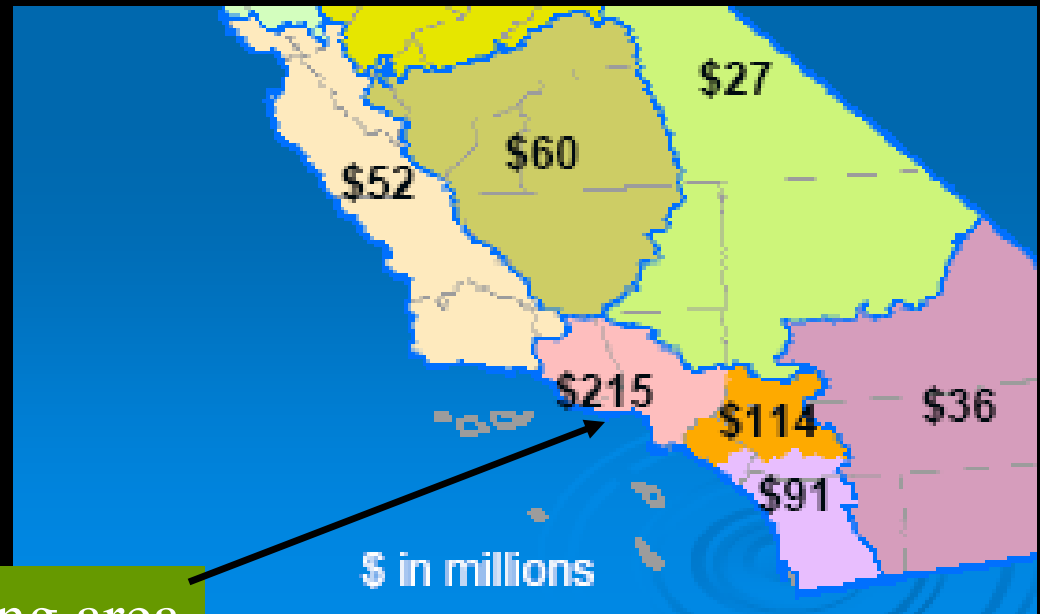
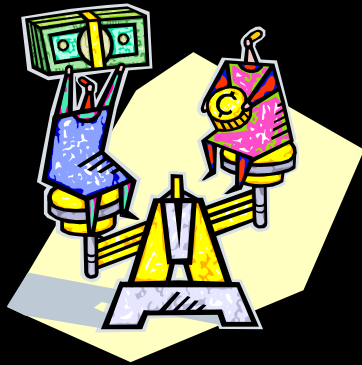
Costs and benefits are sum of present values discounted 50 years at 6 percent.

Quantities are attained over 20 years.

Project Prioritization Framework



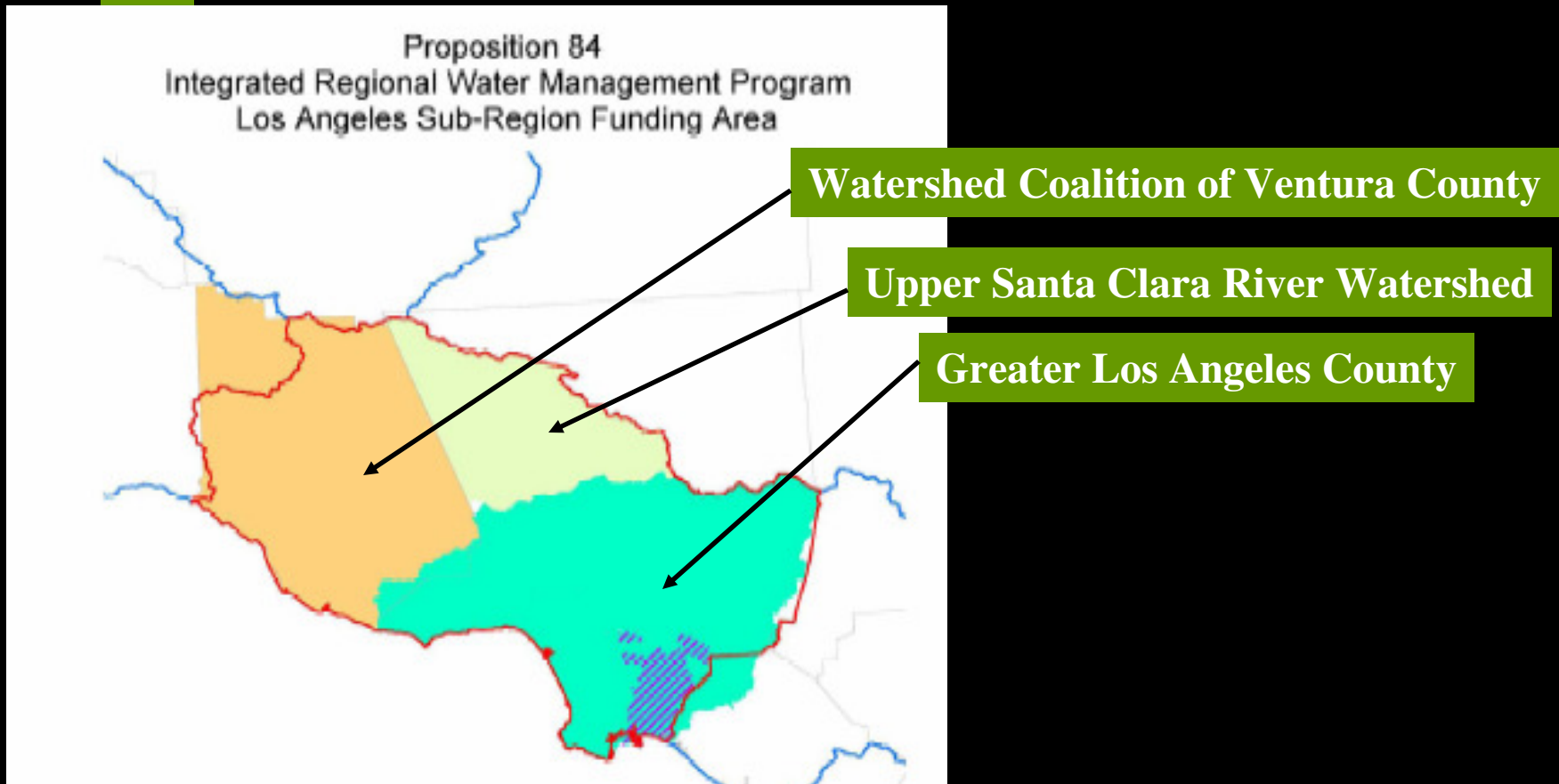
Challenges... Prop 84 “funding areas”



Los Angeles sub-region funding area
Prop 84 allocated \$215million...

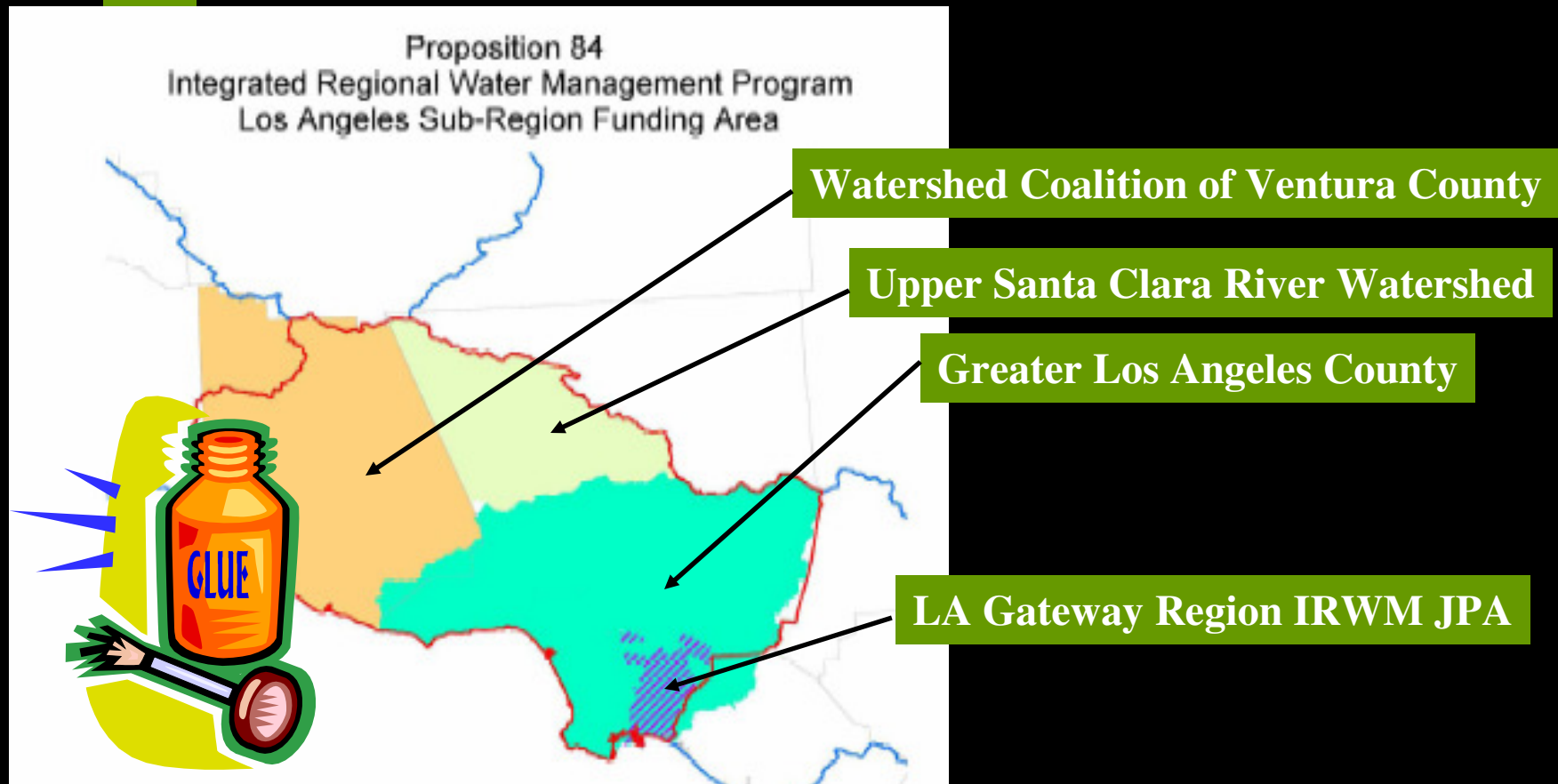
Prop 84 funding allocation = \$25million base to each funding area +
variable amount based on population of the funding areas

Challenges...allocating \$\$\$



What is the most equitable way to allocate \$\$ to the IRWM regions in a funding area???

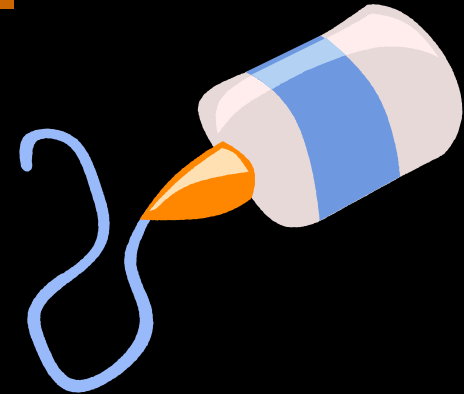
Challenges...start applying glue!



LA Gateway Region IRWM JPA...

Potential ramifications for other IRWM efforts?

Challenges...need more glue!!!



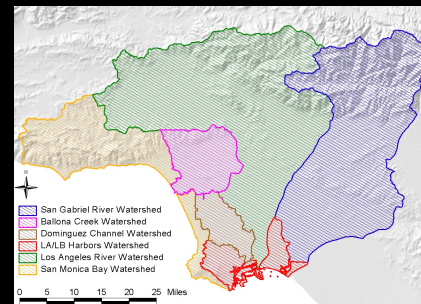
- What is the definition of a region?
- What are established regions?
- Should grant guidelines be prescriptive, performance based or?
- Need to minimize the number of funding cycles
- Administering IRWM efforts is expensive... allocate \$\$\$ by % to regions for IRWM administration
- Contracting and grant awards... need a better way to do this... too much liability for lead agencies/organizations
- Keep competition at the regional level!

Suggestions for success...

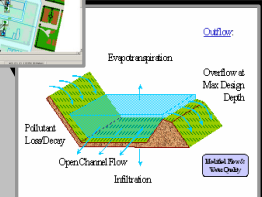
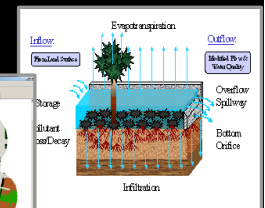
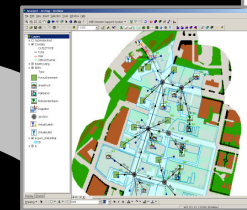
- ◆ Seek funding from all sources... not just bond measures or grants
- ◆ IRWMP...primary focus is on water resource management
- ◆ Transparency and building trust are key
- ◆ Seek input and listen... from the smallest to the largest organizations
- ◆ Perception can lead to success or failure
- ◆ Build the plans as a strategic effort... goals, objectives, action plans (implementation), measure performance and adjust
- ◆ Most important... *This is about building relationships!!!*

LA Co. Watershed Modeling System

- ♦ Modeling System
 - Watershed hydrology and pollutant load estimates
 - Analysis of BMP options and benefits (e.g., peak flow control, load reductions)
- ♦ BMP cost estimates based on design characteristics
- ♦ Selection of the optimal BMP strategies
 - Maximize benefit
 - Minimize costs

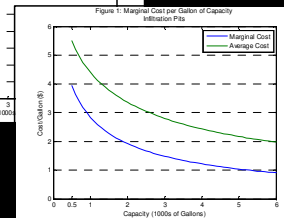
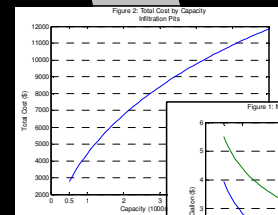


GIS Tools and Watershed Models



BMP Process Simulation

System Optimization



BMP Cost Functions

Proposed Stormwater Quality Funding Initiative

(For consideration by the LA County Board of Supervisors on May 13)

LA County Flood Control District to consider imposing a property related fee on properties within the boundaries of the District in compliance with Prop 218.



Goal: Implement a stable and long-term funding source for the construction and O/M of projects that address pollution in runoff.



Greater Los Angeles County Region IRWMP

Thank you very much for your attention

www.lawaterplan.org

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